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1764 image

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Andrew W. McClaine et al. Art Unit : 1764
Serial No. : 10/044,813 Examiner : Unknown
Filed : January 11, 2002
Title : STORAGE, GENERATION, AND USE OF HYDROGEN

Commissioner for Patents
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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449.

This statement is being filed before the receipt of a first Office action on the merits.

Please apply any charges or credits to Deposit Account No. 06-1050, referencing attorney docket number 13806-002001.

Respectfully submitted,

Date: NOVEMBER 24, 2003

Tu N. Nguyen
Tu N. Nguyen
Reg. No. 42,934

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

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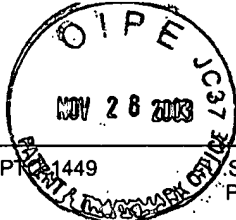
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Substitute Form PTO-1449 (Modified) Supplemental Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 13806-002001	Application No. 10/044,813
	Applicant Andrew W. McClaine et al.		
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	4,769,225	09/06/1988	Reilly et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AB	JP 6-174196	06/24/1994	Japan			X	
	AC	JP 7-172801	07/11/1995	Japan			X	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AD	Breault, Ronald W. et al., "Hydrogen For a PEM Fuel Cell Vehicle Using A Chemical-Hydride Slurry", 218 th American Chemical Society Division of Fuel Chemistry Symposium, New Orleans, LA, August 22-26, 1999
	AE	Breault, Ronald W. et al., "Advanced Chemical Hydrogen Generation/Storage System For PEM Fuel Cell Vehicles", Thermo Power Corp., Peer Review Report to DOE 4/21/00
	AF	Breault, Ronald W. et al., "Hydrogen Transmission/Storage with a Metal Hydride/Organic Slurry", Thermo Power Corp., Peer Review Report to DOE 4/21/00
	AG	Breault, Ronald W. et al., "Hydrogen Transmission/Storage with a metal Hydride/Organic Slurry", Thermo Power Corp., Peer Review Report to DOE 4/8/99
	AH	Breault, Ronald W. et al., "Advanced Chemical Hydrogen Generation/Storage System For PEM Fuel Cell Vehicles", Thermo Power Corp., Peer Review Report to DOE 4/13/99
	AI	Breault, Ronald W. et al., "Hydrogen Storage Canisters for DOD Fuel Cell Applications Utilizing Chemical Hydrides", June 13, 2000, presentation slides
	AJ	Breault, Ronald W. et al., "Advanced Chemical Hydride-Based Hydrogen Generation/Storage System for Fuel Cell Vehicles", Proceedings of the 1998 U.S. DOE Hydrogen Program Review
	AK	Breault, Ronald W. et al., "Sustainable Hydrogen for the Hydrogen Economy," 218 th American Chemical Society Division of Fuel Chemistry Symposia, New Orleans, LA, August 22-26, 1999, Volume 44, No. 4
	AL	Breault, Ronald W. et al., "Hydrogen Production and Storage with Chemical Hydride Slurry for Energy in the 21 st Century", 25 th International Tech. Conf. On Coal Utilization & Fuel Systems, Clearwater, FL, March 6-9, 2000
	AM	Breault, Ronald W. et al., "Hydrogen For A PEM Fuel Cell Vehicle Using A Chemical-Hydride Slurry", Proceedings of the 1999 U.S. DOE Hydrogen Program Review
	AN	Breault, Ronald W. et al., "Hydrogen for the Hydrogen Economy", 24 th Coal Utilization and Fuel System Conference, Clearwater, FL, March 8-11, 1999
	AO	Breault, Ronald W. et al., "Hydrogen Transmission/Storage with a Chemical Hydride/Organic Slurry", Proceedings of the 1999 U.S. DOE Hydrogen Program Review
	AP	Breault, Ronald W. et al., "Hydrogen Transmission/Storage with a Chemical Hydride/Organic Slurry", 9 th Canadian Hydrogen Conference, Vancouver, B.C., February 7-10, 1999

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



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	AQ	Breault, Ronald W. et al., "Hydrogen Transmission/Storage with a Metal Hydride/Organic Slurry, PP002-98, 20 pp.
	AR	Holstvoogd, R.D., et al., "Continuous Absorption of Hydrogen in Metal Hydride Slurries", International Journal of Research in Physical Chemistry and Chemical Physics 164:1429-1434, 1989
	AS	Kim, K.J. et al., "Cooling and Power Efficiency Diagrams for Compressor-Driven, Metal-Hydride Slurry Air Conditioners", <i>Energy</i> 22(8):787-796, 1997
	AT	Kim, K.J. et al., "Heat-driven hydride slurry heat pumps", <i>Int. J. Refrig.</i> 20(5):339-351, 1997
	AU	McClaine, Andrew W. et al., "Hydrogen Storage Using Slurries of Chemical Hydrides", Submission for "Advances in Hydrogen Energy", January 6, 1980, 17 pp.
	AV	McClaine, Andrew W. et al., "Chemical Hydride Slurry for Hydrogen Storage", The Third Annual BCC Conference: Fuel Cells and the Hydrogen Infrastructure, Business Communications Co., Inc., Stamford, CT, March 31 - April 1, 2003
	AW	Ptasinsky, K.J. et al., "Hydrogen Recovery from Gas Mixtures Using Metal Hydrides Suspended in Slurry", Commission of the European Communities, January 1, 1982-December 31, 1983
	AX	"Advanced Chemical Hydride-Based Hydrogen Generation/Storage System for PEM Fuel Cell Vehicles", Final Report, Period: October 1997 - June 2000, Submitted March 2001
	AY	"Advanced Chemical Hydride-Based Hydrogen Generation/Storage System for PEM Fuel Cell Vehicles", Quarterly Report: 9, October 1999 - December 1999, Submitted January 25, 2000
	AZ	AOP FY2000, "Hydrogen (H ₂) Transmission/Storage with Metal Hydride Organic Slurry - Thermo Power Corporation", September 3, 1999
	AAA	AOP FY2001, "Hydrogen (H ₂) Transmission/Storage with Chemical Hydride Organic Slurry - Thermo Power Corporation", August 31, 2000
	ABB	AQMD, "Generating Pure Hydrogen Fuel Onboard Vehicles Using A Chemical Hydride Slurry System", Phase 2 Final Report, Submitted September 28, 2000
	ACC	Canister Program Final Report, "Lithium Hydride Hydrogen Canister for DOD Fuel Cell Application", Thermo Power Corporation, January 12, 2000, 14 pp.
	ADD	"Development and Demonstration of Advanced Hydrogen Fuel Storage System Using Chemical Hydride Slurry System", Phase 1 Technical Overview Report, Period: October 1997 - September 1998, Submitted July 29, 1999
	AEE	"Development of Hydrogen Transmission/Storage with a Metal Hydride/Organic Slurry", Phase 1 Summary Report, April 1998
	AFF	"VII. Hydrogen Storage. B. Advanced Chemical Hydride Hydrogen Generation/Storage System for PEM Fuel Cell Vehicles", <i>Fuel Cells for Transportation</i> , FY 1999 Contractor's Progress Report
	AGG	FY2000 Contractor's Progress Report, Advanced Chemical Hydride Hydrogen Generation/Storage System for PEM Fuel Cell Vehicles
	AHH	"Hydrogen Transmission/Storage with a Chemical Hydride/Organic Slurry", Final Report, Period: April 1997 - October 2000, Submitted March 2001
	AII	Chemical/Hydrogen Energy Systems: 1987 Annual Report
	AJJ	Search Report, "Abstracts/KWIC of Publications containing the Keywords 'Hydride Slurry'", (Safe Hydrogen Documents) 1967-2001, 12 pp.

Examiner Signature	Date Considered
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	AKK	Search Report, "Abstracts of US and Foreign Patents/Publications Containing the Keywords 'Hydrogen? (20N) Hydride? (5N) Slurry'", (Safe Hydrogen Documents) 1963-2001, 126 pp.



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